



Nuclear Materials Focus Area Phil Wheatley



*Providing for safe,
efficient disposition of
DOE spent nuclear fuel*

Nuclear Materials Focus Area (NMFA)

- Purpose
 - Identify technology development needs
 - Dispose of needs by solving them
 - Leverage efforts to solve the needs



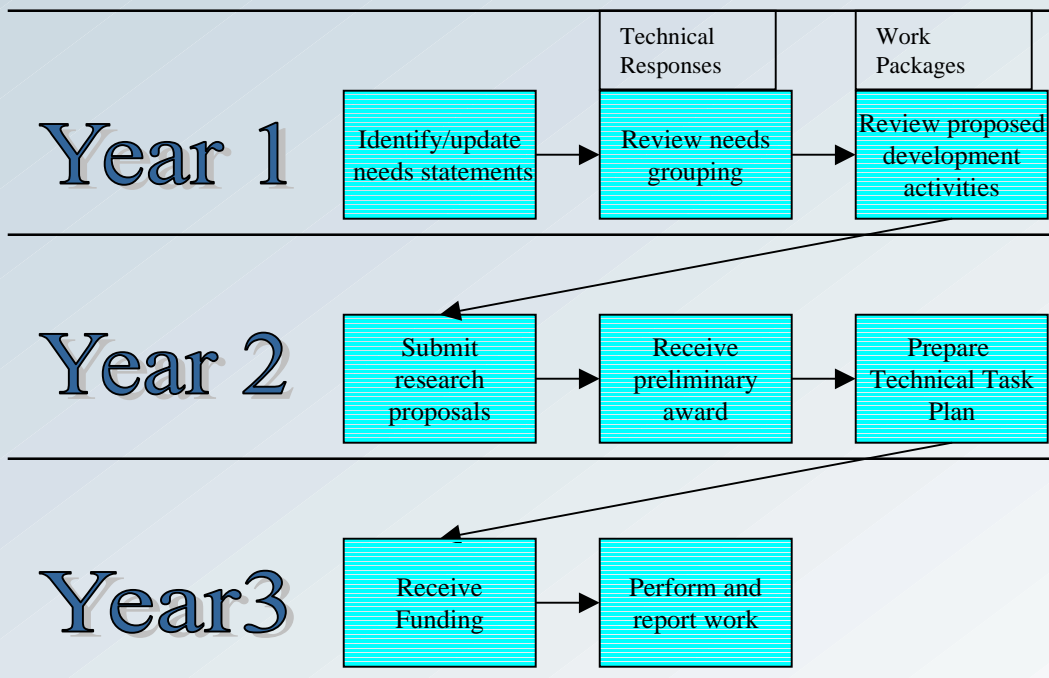
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NMFA Process Based on Well Defined Needs

- Development needs are the drivers
 - Cycle time requires 3-8 year needs horizon
 - Not proposals, statements of technology need
- Needs wrap to technical responses
- Technical responses wrap to work packages
- Work packages lead to research proposals

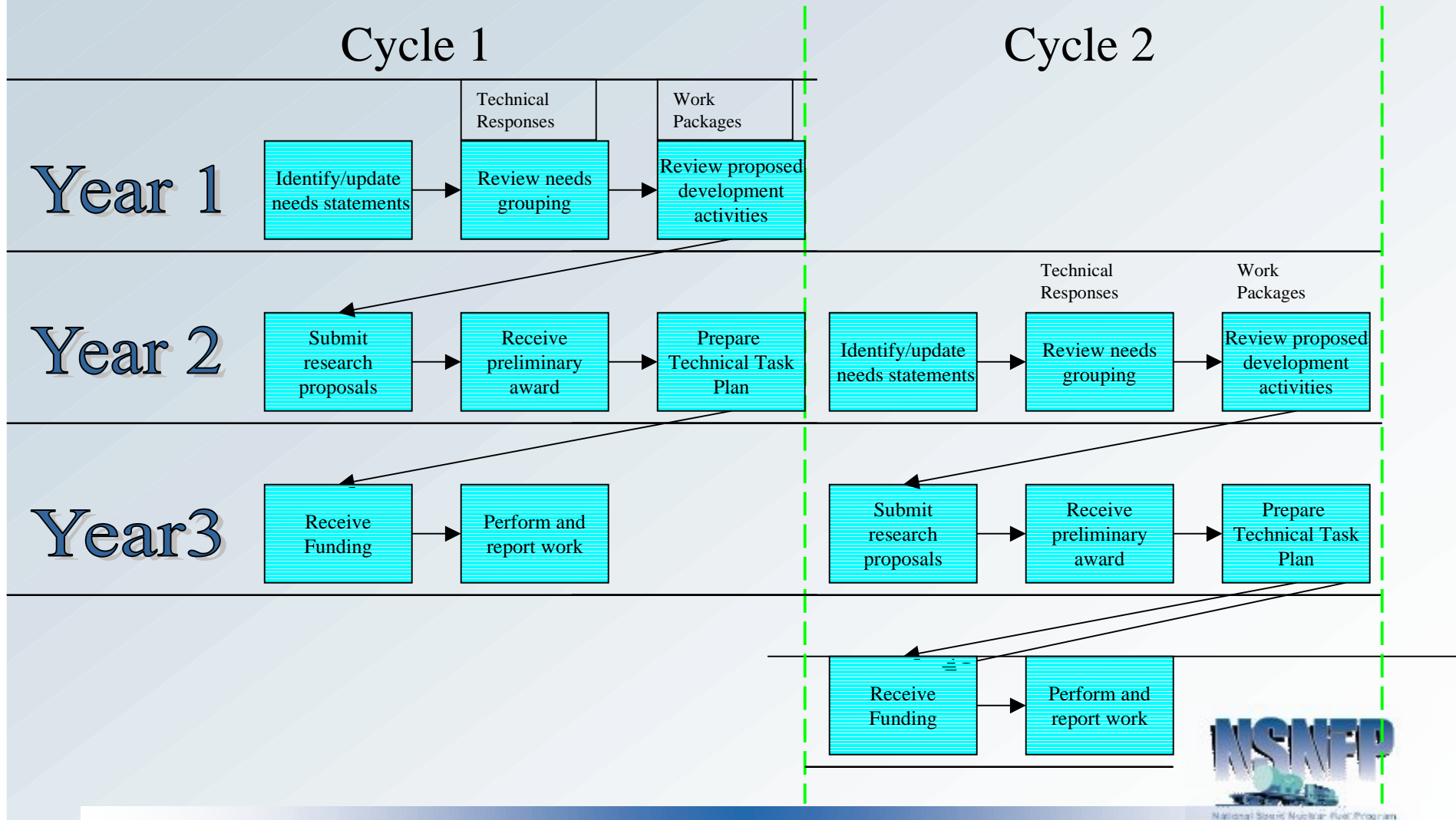


NMFA Users Cycle



Providing for safe, efficient disposition of DOE spent nuclear fuel

NMFA Cyclic User Process



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Fiscal Year 2001 Cycle

- Developed prioritized research proposals for identified SNF needs
 - Ranked by sites
 - Three research proposals written
- Applying for special funding
 - Out of normal cycle
 - Attempt to jumpstart SNF participation



Fiscal Year 2002 Cycle

- Completed
 - Needs wrapped to 6 technical responses
 - 6 Technical responses wrapped to 2 work packages
 - 1 work package funded at \$3.2M
 - NDA
 - Encapsulation/Stabilization of Degraded SNF
 - Storage Containers



Fiscal Year 2002 Cycle

- To be completed
 - Request for research proposals
 - Proposal evaluation/selection
 - Prepare Technical Task Plans



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Fiscal Year 2003 Cycle

- Complete
 - Site needs statements update complete
 - 11/15/2000
- Future
 - Technical responses reviewed and issued
 - 1/31/2001
 - Work packages reviewed and issued
 - 3/31/2001
 - IPABS update for associations
 - 4/27/2001



Summary

- NMFA represents leveraging of program research funds
- Multi-year process
- Sites can respond to proposal call this year for execution in FY-2002
 - \$3.2 M available in specific need areas

